

CLAIMS

1. A modular shelving system having a major length direction
and a minor width direction, comprising:

a plurality of modular upright support units to be spaced from
each other in said length direction and each unit including a plurality of
generally horizontal through passages for receiving and respectively support-
ing a plurality of elongated shelf-supporting rails of varying lengths to allow
for varying the length of the shelving system as well as varying the spacing
between the support units, some of the through passages being located at
lower areas of the support units to position some of the supporting rails for
supporting an appropriate lower shelf, and other of the through passages
being located at upper areas of the support units to position other of the
supporting rails for supporting an appropriate upper shelf.

2. The modular shelving system of claim 1 wherein each of
said modular upright support units includes a front upright post and a rear
upright post joined by cross brace means.

3. The modular shelving system of claim 2 wherein said cross
brace means include an upper cross brace and a lower cross brace.

4. The modular shelving system of claim 3 wherein said upper
and lower cross braces are aligned with respective pairs of upper and lower
through passages in the front and rear upright posts.

5. The modular shelving system of claim 1 wherein said some
2 of the through passages located at lower areas of the support units are
completely enclosed through passages.

6. The modular shelving system of claim 1 wherein said other
2 of the through passages located at upper areas of the support units are open
notches near the tops of the support units.

7. The modular shelving system of claim 1 wherein each of
2 said modular upright support units includes at least one outside upright post
connected to a generally horizontal inside cross brace at a point aligned with
4 one of said through passages, the upright post being vertically split on a line
intersecting the through passage to form a pair of post parts which are
6 separable to effectively open the through passage and, thereby, allow the
cross brace to be connected to one of the post parts by an appropriate
8 fastener inserted through the one post part from within the through passage.

8. A modular shelving system having a major length direction
and a minor width direction, comprising:

a plurality of modular upright support units to be spaced from
each other in said length direction and each unit including

a front upright post and a rear upright post, each upright post
having an upper through passage and a lower through passage, the lower
through passages being completely enclosed passages and the upper
through passages being open notches at the tops of the upright posts;

upper and lower cross braces joining the front and rear upright
posts, the upper and lower cross braces being aligned with the upper and
lower through passages, respectively, in the front and rear upright posts;
and

whereby the through passages can receive and respectively
support a plurality of elongated shelf-supporting rails of varying lengths to
allow for varying the length of the shelving system as well as varying the
spacing between the support units, the lower through passages thereby
receiving lower rails for supporting an appropriate lower shelf and the upper
through passages receiving upper rails for supporting an appropriate upper
shelf.

9. The modular shelving system of claim 8 wherein said upper
and lower cross braces are aligned with respective pairs of upper and lower
through passages in the front and rear upright posts.

10. The modular shelving system of claim 8 wherein each of
said modular upright support units includes at least one outside upright post
connected to a generally horizontal inside cross brace at a point aligned with
one of said through passages, the upright post being vertically split on a line
intersecting the through passage to form a pair of post parts which are
separable to effectively open the through passage and, thereby, allow the
cross brace to be connected to one of the post parts by an appropriate
fastener inserted through the one post part from within the through passage.

11. An upright support unit for a shelving assembly, comprising:

at least one upright post having at least one generally horizontal through passage for receiving an elongated shelf-supporting rail;

a generally horizontal cross brace connected to the upright post at a point aligned with the through passage and projecting from the post generally perpendicular to the through passage; and

said upright post being vertically split on a line intersecting the through passage to form a pair of post parts which are separable to effectively open the through passage and, thereby, allow the cross brace to be connected to one of the post parts by an appropriate fastener inserted through the one post part from within the open through passage.

12. The upright support unit of claim 11, including a pair of said vertically split upright posts at a front and a rear of the upright support unit, the posts being joined by said generally horizontal cross brace at points aligned with through passages in the upright posts.

13. The upright support unit of claim 12 wherein said vertically split upright posts include lower through passages to position supporting rails for supporting an appropriate lower shelf and upper through passages to position supporting rails for supporting an appropriate upper shelf.

14. The upright support unit of claim 13 wherein said lower through passages are completely enclosed through passages.

2 15. The upright support unit of claim 13 wherein said upper
through passages are open notches at the tops of the posts.

2 16. The upright support unit of claim 15 wherein said lower
through passages are completely enclosed through passages.